

29 SEP 2000

## SEQUENCE LISTING

<110> ~~Astra-Pharma Inc.~~  
 Ahmad, Sultan  
 Hoffert, Cyrla  
 O'Donnell, Dajan  
 Pelletier, Manon  
 Walker, Philippe

<120> B1C3 G Protein-Coupled Receptor

10 <130> walker 6

<140>

<141>

<160> 6

<170> PatentIn Ver. 2.0

15 <210> 1  
 <211> 400  
 <212> PRT  
 <213> Rat

20 <400> 1  
 Met Glu Ser Gly Leu Leu Arg Pro Ala Pro Val Ser Glu Val Ile Val  
 1 5 10 15

Leu His Tyr Asn Tyr Thr Gly Lys Leu Arg Gly Ala Arg Tyr Gln Pro  
 20 25 30

25 Gly Ala Gly Leu Arg Ala Asp Ala Ala Val Cys Leu Ala Val Cys Ala  
 35 40 45

Phe Ile Val Leu Glu Asn Leu Ala Val Leu Leu Val Leu Gly Arg His  
 50 55 60

Pro Arg Phe His Ala Pro Met Phe Leu Leu Leu Gly Ser Leu Thr Leu  
 65 70 75 80

30 Ser Asp Leu Leu Ala Gly Ala Ala Tyr Ala Thr Asn Ile Leu Leu Ser  
 85 90 95

Gly Pro Leu Thr Leu Arg Leu Ser Pro Ala Leu Trp Phe Ala Arg Glu  
 100 105 110

35 Gly Gly Val Phe Val Ala Leu Ala Ala Ser Val Leu Ser Leu Leu Ala  
 115 120 125

Ile Ala Leu Glu Arg His Leu Thr Met Ala Arg Arg Gly Pro Ala Pro  
 130 135 140

Ala Ala Ser Arg Ala Arg Thr Leu Ala Met Ala Val Ala Ala Trp Gly  
 145 150 155 160

40 Leu Ser Leu Leu Leu Gly Leu Leu Pro Ala Leu Gly Trp Asn Cys Leu  
 165 170 175  
 Gly Arg Leu Glu Ala Cys Ser Thr Val Leu Pro Leu Tyr Ala Lys Ala  
 180 185 190

N 2196

2

Tyr Val Leu Phe Cys Val Leu Ala Phe Leu Gly Ile Leu Ala Ala Ile  
195 200 205

Cys Ala Leu Tyr Ala Arg Ile Tyr Cys Gln Val Arg Ala Asn Ala Arg  
210 215 220

5 Arg Leu Arg Ala Gly Pro Gly Ser Arg Arg Ala Thr Ser Ser Ser Arg  
225 230 235 240

Ser Arg His Thr Pro Arg Ser Leu Ala Leu Leu Arg Thr Leu Ser Val  
245 250 255

10 Val Leu Leu Ala Phe Val Ala Cys Trp Gly Pro Leu Phe Leu Leu Leu  
260 265 270

Leu Leu Asp Val Ala Cys Pro Ala Arg Ala Cys Pro Val Leu Leu Gln  
275 280 285

Ala Asp Pro Phe Leu Gly Leu Ala Met Ala Asn Ser Leu Leu Asn Pro  
290 295 300

15 Ile Ile Tyr Thr Phe Thr Asn Arg Asp Leu Arg His Ala Leu Leu Arg  
305 310 315 320

Leu Leu Cys Cys Gly Arg Gly Pro Cys Asn Gln Asp Ser Ser Asn Ser  
325 330 335

20 Leu Gln Arg Ser Pro Ser Ala Val Gly Pro Ser Gly Gly Gly Leu Arg  
340 345 350

Arg Cys Leu Pro Pro Thr Leu Asp Arg Ser Ser Ser Pro Ser Glu His  
355 360 365

Ser Cys Pro Gln Arg Asp Gly Met Asp Thr Ser Cys Ser Thr Gly Ser  
370 375 380

25 Pro Gly Ala Ala Thr Ala Asn Arg Thr Leu Val Pro Asp Ala Thr Asp  
385 390 395 400

<210> 2

<211> 1203

30 <212> DNA

<213> Rat

<400> 2

atggagtgccg ggctactgcg gccagcgccg gtgagcgagg tcatcgctct tcaactacaac 60  
tacactggca agctccgggg agcgcgctac cagcccgggtg ccggcctgcg tgcggacgcc 120  
35 gcagtggtgct tggctgtgtg cgctttcatc gtgctggaga acctggctgt gctcttggtg 180  
ctggggccgccc atcctcgctt ccatgcaccc atgttctctg tcttggttag tcttaccttg 240  
tcggacctgc tcgctggggc ggcctacgcc accaacatcc tgctgtccgg gccgctcaca 300  
ttgcgcctgt cgctgctgct ctggtttgcy cgggaagggg gtgtcttctg ggcgctcgca 360  
gcgtcggtgc tgagcctcct ggccattgct ctgagcgcc accttaccat ggcccgtcgt 420  
40 ggaccgcgcg ctgcccgcag tcgcgctcgc acgctggcga tggcggtggc cgctggggc 480  
ttgtcgctgc tgctggggct gctgcccgcg ctgggctgga actgcttggg acgctggaa 540  
gctgtctcca cegtgtgcc gctctacgcc aaggcctatg tgctcttctg cgtgctggcc 600  
ttcctgggca tcttggtgc catctgtgcy ctctatgcaa ggatttactg tcaggtgcgg 660  
gccaacgcgc gtgcctgcy ggcgggtcct gggtcccga gggccacgtc ctccctcgca 720  
45 tcccggcaca cgccacggtc gttggccctg ctccgcacgc ttagcgtggt gctcctggcc 780  
ttcgtggcct gctggggacc tctatttctc ttgctattac tggatgtcgc gtgcccagcc 840  
cgcgcggtgc ctgtgcttct gcaagccgat cccttctctg gtctagccat ggctaactcg 900

5 ctgctgaatc ctatcatcta caccttcacc aaccgagacc tgcgccacgc gctcctgagg 960  
 ctgctctgct gtggccgcgg accctgcaac caagactcct ccaacagttt gcagcgatcc 1020  
 ccaagtgtg ttgggccttc cgttgaggc ctgcgacgt gctgccacc aacctggat 1080  
 cgcagctcta gcccatcaga acactcgtgt ccccgacggg acgggatgga caccagctgc 1140  
 tccactggca gtcccggagc agcaaccgcc aaccggaccc tgggtgcctga tgctacagac 1200  
 tga 1203

10 <210> 3  
 <211> 22  
 <212> DNA  
 <213> PCR primer  
 <400> 3  
 atttaggtga cactatagaa ta 22

15 *Rebat* <210> 4  
 <211> 19  
 <212> DNA  
 <213> PCR primer  
 <400> 4  
 gctgcggaag gagtagatg 19

20 <210> 5  
 <211> 20  
 <212> DNA  
 <213> PCR primer  
 <400> 5  
 cctctagatg catgctcgag 20

25 <210> 6  
 <211> 19  
 <212> DNA  
 <213> PCR primer

30 <400> 6  
 caggagcagg ccaaacagg 19

## SEQUENCE LISTING

<110> Ahmad, Sultan  
Hoffert, Cyrla  
O'Donnell, Dajan  
Pelletier, Manon  
Walker, Philippe

<120> Receptor

<130> 7567/73170

<140> 09/647,481

<141> 2000-09-29

<160> 6

<170> PatentIn version 3.1

<210> 1

<211> 400

<212> PRT

<213> Rattus norvegicus

<400> 1

Met Glu Ser Gly Leu Leu Arg Pro Ala Pro Val Ser Glu Val Ile Val  
1 5 10 15

Leu His Tyr Asn Tyr Thr Gly Lys Leu Arg Gly Ala Arg Tyr Gln Pro  
20 25 30

Gly Ala Gly Leu Arg Ala Asp Ala Ala Val Cys Leu Ala Val Cys Ala  
35 40 45

Phe Ile Val Leu Glu Asn Leu Ala Val Leu Leu Val Leu Gly Arg His  
50 55 60

Pro Arg Phe His Ala Pro Met Phe Leu Leu Leu Gly Ser Leu Thr Leu  
65 70 75 80

Ser Asp Leu Leu Ala Gly Ala Ala Tyr Ala Thr Asn Ile Leu Leu Ser  
85 90 95

Gly Pro Leu Thr Leu Arg Leu Ser Pro Ala Leu Trp Phe Ala Arg Glu  
100 105 110

Gly Gly Val Phe Val Ala Leu Ala Ala Ser Val Leu Ser Leu Leu Ala  
115 120 125

Ile Ala Leu Glu Arg His Leu Thr Met Ala Arg Arg Gly Pro Ala Pro  
130 135 140

Ala Ala Ser Arg Ala Arg Thr Leu Ala Met Ala Val Ala Ala Trp Gly  
145 150 155 160

2

Leu Ser Leu Leu Leu Gly Leu Leu Pro Ala Leu Gly Trp Asn Cys Leu  
165 170 175

Gly Arg Leu Glu Ala Cys Ser Thr Val Leu Pro Leu Tyr Ala Lys Ala  
180 185 190

Tyr Val Leu Phe Cys Val Leu Ala Phe Leu Gly Ile Leu Ala Ala Ile  
195 200 205

Cys Ala Leu Tyr Ala Arg Ile Tyr Cys Gln Val Arg Ala Asn Ala Arg  
210 215 220

Arg Leu Arg Ala Gly Pro Gly Ser Arg Arg Ala Thr Ser Ser Ser Arg  
225 230 235 240

Ser Arg His Thr Pro Arg Ser Leu Ala Leu Leu Arg Thr Leu Ser Val  
245 250 255

Val Leu Leu Ala Phe Val Ala Cys Trp Gly Pro Leu Phe Leu Leu Leu  
260 265 270

Leu Leu Asp Val Ala Cys Pro Ala Arg Ala Cys Pro Val Leu Leu Gln  
275 280 285

Ala Asp Pro Phe Leu Gly Leu Ala Met Ala Asn Ser Leu Leu Asn Pro  
290 295 300

Ile Ile Tyr Thr Phe Thr Asn Arg Asp Leu Arg His Ala Leu Leu Arg  
305 310 315 320

Leu Leu Cys Cys Gly Arg Gly Pro Cys Asn Gln Asp Ser Ser Asn Ser  
325 330 335

Leu Gln Arg Ser Pro Ser Ala Val Gly Pro Ser Gly Gly Gly Leu Arg  
340 345 350

Arg Cys Leu Pro Pro Thr Leu Asp Arg Ser Ser Ser Pro Ser Glu His  
355 360 365

Ser Cys Pro Gln Arg Asp Gly Met Asp Thr Ser Cys Ser Thr Gly Ser  
370 375 380

Pro Gly Ala Ala Thr Ala Asn Arg Thr Leu Val Pro Asp Ala Thr Asp  
385 390 395 400

<210> 2  
<211> 1203  
<212> DNA

<213> Rattus norvegicus

<400> 2  
 atggagtccg ggctactgcg gccagcgccg gtgagcgagg tcatcgctct tcaactacaac 60  
 taactaggca agctccgggg agcgcgctac cagccccgtg ccggcctgcg tgcggacgcc 120  
 gcagtgtgct tggctgtgtg cgctttcatc gtgctggaga acctggctgt gctcttggtg 180  
 ctgggcccgc atcctcgctt ccatgcaccc atgttcctgc tcctgggtag tcttaccttg 240  
 tcggacctgc tcgctggggc ggcctacgcc accaacaatcc tgctgtccgg gccgctcaca 300  
 ttgcgcctgt cgcctgcgct ctggtttgcg cgcgaagggg gtgtcttcgt ggcgctcgca 360  
 gcgtcggtgc tgagcctcct ggccattgct ctagagcgcc accttaccat ggcccgtcgt 420  
 ggacccgcgc ctgccgccag tcgcgctcgc acgctggcga tggcgggtggc cgcctggggc 480  
 ttgtcgctgc tgetggggct gctgcccgcg ctgggctgga actgcttggg acgcctggaa 540  
 gcctgctcca ccgtgctgcc gctctacgcc aaggcctatg tgctcttctg cgtgctggcc 600  
 ttctgggca tcctggctgc catctgtgcg ctctatgcaa ggatttactg tcaggtgcgg 660  
 gccaacgcgc gtcgcctgcg ggccggctct gggccccgta gggccacgtc ctctcgcga 720  
 tcccggcaca cgccacggtc gttggccctg ctccgcacgc ttagcgtggt gctcctggcc 780  
 ttctgtggct gctggggacc tctatttctc ttgctattac tggatgtcgc gtgcccagcc 840  
 cgcgctgtc ctgtgcttct gcaagccgat cccttcctgg gtctagccat ggctaactcg 900  
 ctgctgaatc ctatcatcta caccttcacc aaccgagacc tgcgccacgc gctcctgagg 960  
 ctgctctgct gtggccgcgg acctgcaac caagactcct ccaacagttt gcagcgatcc 1020  
 ccaagtgtg ttgggccttc cgggtggaggc ctgcgacgct gcctgccacc aaccctggat 1080  
 cgcagctcta gccatcaga aactcgtgt cccagcggg acgggatgga caccagctgc 1140  
 tccactggca gtcccggagc agcaaccgcc aaccggaccc tgggtgcctga tgctacagac 1200  
 tga 1203

<210> 3  
 <211> 22  
 <212> DNA  
 <213> Rattus norvegicus

<400> 3  
 atttaggtga cactatagaa ta 22

<210> 4  
 <211> 19  
 <212> DNA  
 <213> Rattus norvegicus

<400> 4  
 gctgcggaag gagtagatg 19

<210> 5  
<211> 20  
<212> DNA  
<213> Rattus norvegicus

<400> 5  
cctctagatg catgctcgag

20

Q1  
<210> 6  
<211> 19  
<212> DNA  
<213> Rattus norvegicus

<400> 6  
caggagcagg ccaaacagg

19